

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1419	399/45,9,14,15.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:08
L2	73	356/35.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:08
L3	73	2 not 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:10
L4	3338	399/67.ccls. or 347/19.ccls. or 271/265.01,265.02.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:10
L5	17529	speckle\$1 or (pattern\$1 near2 spot\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:12
L6	12	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:21
L7	67658	(measur\$5 or detect\$3 or sens\$3 or read\$3) with ((type\$1 or kind\$1 or siz\$3 or width\$1 or length\$1 or thickness) near3 (paper\$1 or sheet\$1 or medium\$1 or media or (recording adj1 material\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:25
L8	603	4 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:25

L9	598	8 not 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:26
L10	270	9 and pattern\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:53
L11	16	7 same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 08:57
L12	94898	g03g015/00.ipc. or g03g015/20.ipc.	EPO; JPO	OR	ON	2005/10/14 08:57
L13	16981	speckle\$1 or (pattern\$1 near3 (dot\$1 or spot\$1 or line\$1))	EPO; JPO	OR	ON	2005/10/14 08:58
L14	8618952	12 a nd 13	EPO; JPO	OR	ON	2005/10/14 08:58
L15	173	12 and 13	EPO; JPO	OR	ON	2005/10/14 08:58

DERWENT-ACC-NO: 2003-679317

DERWENT-WEEK: 200558

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TITLE: Inkjet printer has motion sensor in carriage based
output of which movement amount of carriage, feed amount
and inclination amount of paper are calculated

INVENTOR: HAYASHI, S; KOKUBO, M

PATENT-ASSIGNEE: BROTHER KOGYO KK[BRER] , BROTHER IND CO LTD[BRER]

PRIORITY-DATA: 2002JP-0004733 (January 11, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1615223 A	May 11, 2005	N/A	000	B41J 011/04
<u>WO 2003059631 A1</u>	<u>July 24, 2003</u>	J	070	B41J 011/04
AU 2003203162 A1	July 30, 2003	N/A	000	B41J 011/04
EP 1464508 A1	October 6, 2004	E	000	B41J 011/04
US 20040246290 A1	December 9, 2004	N/A	000	B41J 029/393
JP 2003559773 X	May 19, 2005	N/A	029	B41J 011/42

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW AT BE BG CH CY CZ DE
DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ
TR TZ UG ZM ZW AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV
MC MK NL PT RO SE SK TR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
CN 1615223A	N/A	2003CN-0802136	January 14, 2003
WO2003059631A1	N/A	2003WO-JP00228	January 14, 2003
AU2003203162A1	N/A	2003AU-0203162	January 14, 2003
AU2003203162A1	Based on	WO2003059631	N/A
EP 1464508A1	N/A	2003EP-0701082	January 14, 2003
EP 1464508A1	N/A	2003WO-JP00228	January 14, 2003
EP 1464508A1	Based on	WO2003059631	N/A
US20040246290A1	CIP of	2003WO-JP00228	January 14, 2003
US20040246290A1	N/A	2004US-0885696	July 8, 2004
JP2003559773X	N/A	2003JP-0559773	January 14, 2003
JP2003559773X	N/A	2003WO-JP00228	January 14, 2003
JP2003559773X	Based on	WO2003059631	N/A

INT-CL (IPC): B41J002/135, B41J002/1355 , B41J011/04 , B41J011/42 ,
B41J029/393

ABSTRACTED-PUB-NO: WO2003059631A

EQUIVALENT-ABSTRACTS:

NOVELTY - An inkjet printer (1) has a motion sensor (70) in a carriage (31) to
identify the paper (P) type by using a paper position signal output from the

sensor. The inkjet printer calculates the movement amount of the carriage, the feed amount and the inclination amount of the paper.

USE - Inkjet printer.

ADVANTAGE - By accurately controlling the reciprocal movement of a carriage and paper feed, a high quality image is obtained, even when the paper advances with inclination or paper different from the setting is supplied.

DESCRIPTION OF DRAWING(S) - The figure shows the sectional view of the inkjet printer. (Drawing includes non-English language text).

inkjet printer 1

printing mechanism 30

carriage 31

motion server 70

CHOSEN-DRAWING: Dwg.1/19

TITLE-TERMS: PRINT MOTION SENSE CARRIAGE BASED OUTPUT MOVEMENT AMOUNT CARRIAGE
FEED AMOUNT INCLINATION AMOUNT PAPER CALCULATE

DERWENT-CLASS: P75 T04

EPI-CODES: T04-G02; T04-G06;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2003-542405